

CALIFORNIA COASTAL COMMISSION

LCP PLANNING

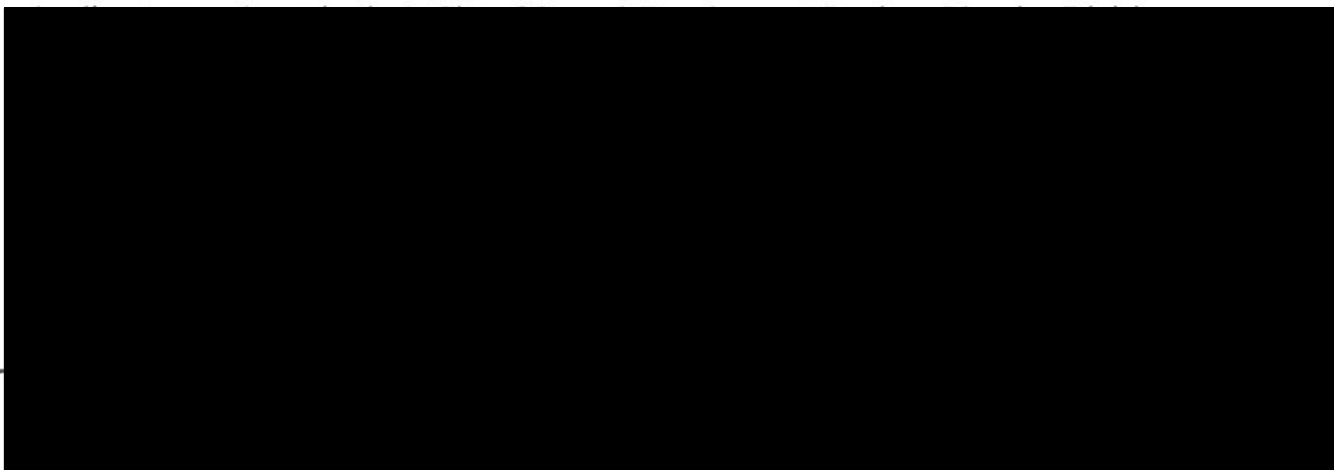
GRANT APPLICATION

NOVEMBER 22, 2013

For Fiscal Year 2013-2014, Governor Brown and the California Legislature approved an augmentation of \$1 million to the California Coastal Commission's budget to support local governments responsible for planning under the California Coastal Act (Coastal Act) to develop or update Local Coastal Programs (LCPs).

Coastal Commission staff is available to work with local governments and to assist you during the application process. Please note the entire grant application will be public record upon submittal. Click in the shaded text fields to enter text, numbers and dates. The fields will expand to accommodate the data. Press the tab key to move between fields.

APPLICANT INFORMATION



PROJECT INFORMATION

Project title: Oxnard Sea Level Rise Adaptation Chapter and LCP Update

LCP/ LCP Segment: NA

Project location: City / Geographic area: Oxnard

County: Ventura

Project timeline: Start date: 4/1/2014

Grant End date: 10/1/2015 (18 months)

LCP Update End: 4/1/2017 (36 months)

MAPS AND PHOTOS

Applications must include one map showing the planning area for the project. Additional photos or maps may be included as attachments if needed to illustrate the proposed project. Please note: any photos and maps you submit are subject to the unqualified and unconditional right of the State of California to use, reproduce, publish, or display, free of charge. Please indicate if crediting is requested for the photos and/or maps. NO CREDITING REQUESTED.

1. Project Description

A. Goals and Objectives

The requested Coastal Commission grant of \$150,000 would be utilized over 18 months in 2014 and 2015 to prepare an Oxnard LCP sea-level rise chapter consistent with Steps 1 to 4 (pgs. 38 to 63) in the Commission's Draft Sea-Level Rise Policy Guidance (Guidance), to be followed by a minimum of \$150,000 in City match funding in FY 2015/2016 and subsequent years, as needed, that would update the remainder of the LCP consistent with the Guidance Step 5 (pg. 63) and consistent with the Commission's 2007 LCP Update Guide, as revised, with local Commission staff review. CEQA review would also be completed by the City under separate City funding. The Coastal Commission grant and City match funding are augmented by the recently completed Oxnard-specific sea-level rise scenario mapping tool prepared by The Nature Conservancy (TNC), in cooperation with key Federal and State agencies including the Coastal Conservancy, valued at a minimum of \$150,000. **Total funding for the Oxnard LCP Update would be at least \$450,000 (a 3:1 match to the \$150,000 requested grant), with added leveraging of over \$35 Million in Conservancy and US EPA expenditures dependent on the Oxnard LCP Update.**

Oxnard lies at the western edge of Ventura County with a 10.5 mile Pacific Ocean coastline between the Santa Clara River (north) and the Ormond Beach wetlands (south), as shown here and in Attachments 1 to 5.

The Oxnard Coastal Zone has four LCP planning areas extending inland between 0.5 to 1.5 miles with a wide range of land uses and public infrastructure, as shown on the attachments. The Coastal Conservancy and TNC own and manage large portions of the Santa Clara River and Ormond Beach wetlands and have developed management and restoration plans for these two areas that incorporate nature-based adaptation strategies over engineering approaches.



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The availability of TNC's high-quality sea-level rise science for the Oxnard and Ventura coastline, consistent with the Commission's Draft Guidelines; completion of the \$25 million 2009 Ormond Beach Wetland Restoration Feasibility Study by the Coastal Conservancy; EPA's \$10 Million expense for designation and remediation of Oxnard's Halaco Superfund site; and the City's 2011 adoption of its \$1.8 Million 2030 General Plan that gives explicit direction to update the LCP, plan for sea-level rise, and incorporate the Ormond Beach wetland restoration, are, together, a convergence of planning and research efforts that set the stage for a well-focused and successful LCP Update that begins with a model sea-level rise adaptation LCP chapter widely applicable to coastal areas with similar environmental, economic, and environmental justice issues.

SEA LEVEL RISE CHAPTER AND LCP UPDATE GOALS and OBJECTIVES

1) Conserve and protect Oxnard area coastal resources from future sea-level rise impacts and storm flooding events using best-available science, economic impact assessments, and adaptation strategies.

- Objectives:
- (1-1) Best available science used to guide LCP planning and development decisions
 - (1-2) Minimized coastal hazards to life, property, and the environment
 - (1-3) Maximized appropriate visitor access and recreation opportunities
 - (1-4) Protected and enhanced coastal habitat and ESA endangered species
 - (1-5) Fostered appropriate coastal-dependent economic activities
 - (1-6) Balanced development with continued agricultural preservation

2) Foster effective interagency coordination between [Federal] U.S.Navy, FEMA, EPA, Corps of Engineers, National Park Service, U.S. Fish and Wildlife, [State] State Lands Commission, Parks and Recreation, CSU Channel Islands, Coastal Commission, Fish and Wildlife, Coastal Conservancy, [Local] County of Ventura, Hueneme School District, Oxnard School District, City of Port Hueneme, Oxnard Harbor District, Port Hueneme Water Agency, and Channel Islands Beach Community Services District.

- Objectives:
- (2-1) Created and effectively utilized an Agency Stakeholder group
 - (2-2) Developed and maintained a website for communication and document sharing
 - (2-3) Prepared sea-level rise adaptation approach with Agency Stakeholder consensus

3) Have significant public involvement from residents, non-governmental organizations, businesses, and environmental justice groups.

- Objectives:
- (3-1) Creation of Public Advisory Committee, anchored by the existing *Ormond Beach Task Force* and *Friends of the Santa Clara River* organizations
 - (3-2) Use of website and local media for communication and Spanish outreach
 - (3-3) General public involved at Planning Commission and City Council hearings

4) Develop LCP sea-level rise chapter and adaptations, with a preference for living and soft approaches.

- Objectives:
- (4-1) Consistency with Coastal Commission Sea-Level Rise Policy Guidance
 - (4-2) Identification of feasible Adaptation Strategies, with Commission staff input
 - (4-3) Economic evaluations of Adaptation Strategies, preference for soft protection
 - (4-4) Completed LCP Sea-Level Rise Adaptation chapter within 18 months

5) Update the Local Coastal Plan and Implementation Code (Chapter 17).

- Objectives:
- (5-1) Update consistent with the 2007 LCP Update Guide, with revisions
 - (5-2) LCP update reviewed by Ventura Coastal Commission staff on regular basis
 - (5-3) LCP updates internally consistent with LCP Sea-Level Rise Adaptation chapter
 - (5-4) Code Chapter 17, Implementation, updated consistent with LCP Update
 - (5-5) LCP Update and Implementation adopted, certified by the Commission

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6) Complete proposed project within 36 months and proactively share best practices, documents, and sea-level rise adaptation strategies and their respective context.

- Objectives:
- (6-1) Identification of jurisdictions with similar coastal issues
 - (6-2) Within 18 months, LCP Sea-Level Rise chapter professional presentation
 - (6-3) Within 36 months completed LCP update professional presentation

B. Project Details

i. Public Benefit

The proposed LCP Update builds on two significant LCP/sea-level rise planning efforts that have garnered considerable and continuing Coastal Commission, Coastal Conservancy, and regional public participation: 1) the Ormond Beach Wetlands Restoration Feasibility Study [<http://oxnardcoastalwetlands.org/>], and 2) the TNC Ventura Coastal Resilience Project [<http://www.coastalresilience.org/geographies/ventura-county>]. As much of the outreach and science are completed for both of these major efforts, the Oxnard LCP can quickly move to completion of a sea-level rise LCP chapter that, then, directs a comprehensive LCP update.

The project benefits are:

- 1) **High cost-effectiveness.** The requested \$150,000 Commission grant leverages TNC's already completed \$150,000 in Oxnard coastal zone sea level rise science, and the City commits to a match of at least \$150,000, for a total budget of \$450,000, a 3:1 grant match rate.
- 2) **Relatively fast delivery of the initial LCP sea-level chapter.** Using TNC's already completed Oxnard sea-level modeling, the City can proceed to vulnerability assessment and agency and community consensus on adaptation responses within 18 months of the grant award.
- 3) **Transferability:** Oxnard's 10.5 miles of coastal zone present a wide range of sea-level rise challenges and adaptation opportunities: the inland progression of the Ormond Beach wetlands, coastal agricultural preservation, a river estuary, marinas and beachfront homes, two Once Through Cooling (OTC) power plants designated for decommissioning, and a beachfront state park. Also, Oxnard is a majority-minority community and the LCP update, by necessity, will use additional public outreach and Spanish translation to a sizeable environmental justice population.
- 4) **Nature-Based Adaptations.** Oxnard has wetlands, coastal agriculture, and wide beaches with natural back dunes that suggest several opportunities to adopt nature-based adaptations.
- 5) **Intergovernmental Cooperation.** The TNC and Coastal Conservancy projects have extensive local stakeholders that, when combined, would become the core of the Agency Stakeholders. Individuals are known to each other, the issues and interests of the respective agencies are already shared, and the Oxnard coastal zone's constraints and opportunities are well known.
- 6) **High Public Participation.** The Ormond Beach Task Force provides a jump start on forming the Public Advisory Committee (PAC), as one of the most active public interest groups in the area.
- 7) **Wetlands, ESA Habitat, and ESHA Protection and Restoration.** The LCP update will lead to the integration of the Ormond Beach Wetlands Restoration into the Oxnard LCP and enhance and expand habitats for three EPA-endangered species and extensive ESHA back dunes.
- 8) **Protecting and Enhancing Visitor Access.** The LCP update will lead to a permanent relocation of McGrath State Beach to avoid regular Santa Clara River estuary flooding and erosion, the protection of Oxnard's coastal access and marina facilities, and extend new appropriate public access into the restored Ormond Beach wetlands. Affordable public access will be even more

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available to the majority-minority population in Oxnard and the region. The County of Ventura's harbor and marina Public Works Plan, located within Oxnard City limits, governs extensive public access and recreation facilities and will be coordinated with the City LCP.

- 9) **Protected Priority Land Uses.** The LCP updated will enable continued coastal agriculture (located in the County), compatible long-term operations of the Port of Hueneme and Naval Base Ventura County, fishing, offshore drilling, and other appropriate coastal dependent commercial uses compatible with recreational boating and local and regional visitor serving uses.
- 10) **Removal of Halaco Superfund Site and two OTC Power Plants.** The LCP updated will include the decommissioning and removal of two OTC power plants in an appropriate timeframe, the removal of the Halaco EPA Superfund site, and remediation of these three sites for additional coastal access and to facilitate nature-based sea-level rise adaptations.

ii. Relative Need for LCP Update/Extent of Update

The TNC sea-level rise mapping tool utilizes recent LiDAR data and modeling science consistent with the Commission's Guidance and 2012 National Research Council (NRC) study. Oxnard's coastal zone geography and sea-level rise issues and adaptations necessitate close cooperation and stakeholder involvement with Oxnard's neighbors, and full sharing of all resulting documents and lessons learned. (Attachment 1 to 5 provide more detail for each LCP Planning Area and their respective opportunities and constraints.)

Attachments 6 and 7 are TNC-produced sea-level rise storm and tidal inundation maps depicting existing and projected storm flood hazard zones that already threaten much of the Oxnard Coastal Zone and portions of the County of Ventura, City of Port Hueneme, and Naval Base Ventura County. Oxnard's 10.5 mile coastal zone has a wide range of urgent sea-level rise-related vulnerabilities and adaptation challenges that are of Federal, State, and local significance: local and state parks and public recreation; commercial harbor and coastal-dependent industry; wetlands and three endangered species habitats; remnant backdunes and coastal agriculture; littoral erosion; vulnerable and vital public utility infrastructure; two OTC power generation facilities marked for decommissioning; on and off-shore oil extraction facilities; large public and private marinas, river levees and flood control channels, and beachfront private homes.

iii. Addressing the Effects of Climate Change

In 2011, the City Council adopted the Oxnard 2030 General Plan with a new chapter, "Sustainable Community," that reflects AB32, subsequent regulations and legislation, and the City's commitment to take climate change seriously and quickly. The City has a draft Climate Adaptation Action Plan (CAAP) in progress and an adopted City and Community Energy Action Plan with a goal to decrease local electric and natural gas consumption by an additional 10% by 2020 beyond expected by CPUC portfolio and State building code mitigation programs. In 2014, the City begins two initiatives to reduce vehicle GHG emissions: a Caltrans planning grant to plan and rebuild Oxnard Boulevard, formerly State Highway 1, as a high-quality, mixed-use, transit-oriented boulevard; and a Ventura County Transportation Commission planning grant to develop a Citywide Transportation Demand Management (TDM) ordinance. The City completed \$1.8 million in ARRA-funded energy upgrades, and has been awarded several Prop 84 "greening" and water conservation grants. Finally, the City's state-of-the-art Advanced Water Purification Facility will begin full recycling of 6,000 acre feet of wastewater within the next year, providing water for coastal agriculture and aquifer injection.

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iv. Likelihood of Success/Effectiveness

This grant will allow the City to “kick off” a long awaited and desired LCP update by essentially providing the staff, via consultants, that the City does not have for expert analyses and intense public outreach effort needed for the initial sea level rise planning effort. The City is in a multi-year process of filling critical vacancies in Planning, Public Works, and the City Attorney office as the budget slowly recovers from the Recession. If the LCP update begins with the requested Commission grant, the City Council intends to utilize the local half-cent local sales tax (Measure ‘O’) and/or the General Fund as sources for the subsequent local match funding beginning in FY 14/15, and also for the CEQA documentation.

The Oxnard 2030 General Plan demonstrates the City’s commitment to updating the LCP in a manner consistent with Commission guidance and fully incorporating sea-level rise. Goals SC-1 and SC-2, “Climate Change and Global Warming Awareness” and “Sea Level Rise Awareness and Planning,” respectively, commit the City to including best-available sea-level rise information in a comprehensive LCP Update. Goal CD-21, “Update the Oxnard Local Coastal Program,” has four implementing policies that give initial direction to an Oxnard LCP Update: CD-21.1 Removal of Liquid Natural Gas Reference, CD-21.2 Modify non-Coastal Dependent Energy Uses, CD-21.3 Future Use of Coastal Power Plants, CD-21.4, and Coastal Zone Land Use Designation Changes. Goal CD-22 calls for the restoration of the Ormond Beach wetlands. The Pacific Institute’s 2009 sea-level rise map is actually in the 2030 General Plan (Figure 2-1). The 2030 General Plan changed almost all undeveloped coastal-dependent industrially-designated parcels in Ormond Beach to Resource Protection (RP), paving the way for the Conservancy’s wetlands restoration Alternative 2U (Attachment, Attachment 8).

Implementation of the Oxnard LCP and City Code Chapter 17 over the past 30 years has largely been routine: all 17 Oxnard LCP amendments were approved by the Coastal Commission. City Code Chapter 17 has a TDR program that was implemented as part of the acquisition of beachfront public access parcels and may be a tool, in the long run, to relocate existing and future coastal entitlements that become too vulnerable to storm hazards enhanced by sea level rise. The City anticipates the consideration of transferable development rights (TDR) and interim or limited-time coastal permits as sea-level rise adaptation implementation tools.

v. Workload and Permit Streamlining

Updating the LCP to be consistent with the adopted 2030 General Plan in the Ormond Beach area will allow the Coastal Conservancy to move forward with their Ormond Beach Wetlands restoration research and funding knowing the City can issue Coastal Development Permits after the LCP update is certified by the Commission. In the opposite context, the City will no longer be in the awkward position of having a 2030 General Plan and LCP and coastal zoning that do not match in several critical resource locations. **At the present, the City would have to accept industrial development proposals for areas planned for wetland restoration because the LCP is not yet updated to reflect 2011 General Plan land use changes.** FEMA Santa Clara River levee certification review and planning is holding up some desired development, and as river levees may be impacted by the sea-level rise vulnerability analyses, it would be better to analyze sea-level rise and levees in tandem, rather than separately as will be the case if this grant is not approved and the LCP sea-level rise analysis is completed later, than sooner.

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vi. Project Integration/Leverage/Matching Funds

The Oxnard LCP update integrates, leverages, and matches funding as follows:

Integration: The LCP update will incorporate the Coastal Conservancy's Ormond Beach Wetlands Restoration Feasibility Plan (Alternative 2U); the Ventura County Harbor Public Works Plan, and the McGrath State Beach Master Plan. These three agencies will be key Agency Stakeholders with the City to create an integrated LCP for their facilities within Oxnard city limits.

Leveraged: **Over \$35 Million in Federal and State public funds is leveraged by this proposal grant.** The Coastal Conservancy's Ormond Beach Wetlands Restoration research and planning work to date exceeds \$25,000,000. The US EPA has expended about \$10,000,000 on the Halaco Superfund site adjacent to the Ormond Beach wetlands that is also planned for wetland restoration, yet still carries "coastal industrial" LCP and zoning designations that must be changed by the LCP Update. Neither project can be completed until the Oxnard LCP is updated, with appropriate sea-level rise analysis.

Matching: As stated earlier, TNC estimates the value of the Oxnard-specific sea-level rise LiDAR database and modeling at \$150,000; a TNC letter of support is included as Attachment 10. While not considered a matching grant for purposes of the work going forward, TNC's work is directly related to the proposed work and is, in essence, the completed "science" task (Steps 1 and 2 in the Draft Guidance). The City Council's resolution (Attachment 11) demonstrates the City's intent to match the \$150,000 grant, should the grant be awarded, when the next budget cycle begins in early 2014 and after the grant awards are expected to be announced. If additional funds are needed in subsequent years, the City Council will continue the LCP update process until it is finished, although the plan is that, by then, the City will have adequate staffing to complete the LCP Update CEQA documentation and subsequently the LCP certification process with the Coastal Commission.

2. Work Program and Schedule

The proposed sea level rise chapter and subsequent LCP Update work program is deliberately matched to Steps 1 to 5 outlined in the Draft Guidance, pages 38 to 63. The LCP Update task is modelled after the 2007 Update and 2011 Implementation Guidelines. An ongoing management and CEQA documentation tasks are also included.

The initial four tasks over 18-months, funded by this grant, would immediately obtain TNC Coastal Resilience Ventura sea-level rise scenario and storm event modeling tools and LiDAR data; model local hydrological impacts not included in the TNC model and determined short, medium, and long term vulnerability; engage agency stakeholders and the public in identifying, evaluating, and selecting adaptation strategies (with a preference for nature-based adaptations); and prepare a Sea-Level Rise LCP chapter consistent with the Commission's Sea-Level Rise Policy Guidance and staff approval.

Then, under separate subsequent City matching funds, consultants would update the Oxnard LCP based on the Sea-Level Rise LCP chapter consistent with the Coastal Commission 2007 Update Implementation Guidelines, as revised. Task 5 is expected to take at least 18 months, and perhaps longer, which the City commits to funding until completed. However, many coastal issues are expected to be addressed during the preparation of the Sea-Level Rise, reducing the relative expense and time needed for the LCP Update and implementation Code revisions.

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TNC - Best Science - Coastal Resiliency Ventura Project

TNC and its partners use dynamic models to project changes in shoreline, fluvial flooding, and associated ecological systems under various climate change scenarios for the Ventura County coastline, including all of Oxnard's coast. TNC modeling includes three levels of sea-level rise consistent with NRC guidance, out years of 2030, 2060, and 2100, and three levels of storm intensity combined with Santa Clara River hydrologic flows. Attachments 6 and 7 are inundation maps based on these high-quality and high-precision TNC data and modeling. Attachment 10 is the TNC's letter of support and additional general information about the Ventura County Coastal Resiliency project.

The proposed grant project would have six tasks completed in 18 months, followed by three tasks and funded by the City match for an additional 18 months, as follows, leading to the LCP Update certification in about three years. City funding would continue, as needed, until the LCP Update is completed.

SCHEDULE

Proposed Commission grant starting date:	<u>4/1/2014</u>
Completion of Commission grant tasks:	<u>10/1/2015</u>
City match-funding starting date:	<u>10/2/2015</u>
Estimated LCP Update Certification:	<u>4/1/2017</u>

WORK PROGRAM/SCOPE

Task 1. Sea Level Rise (SLR) Projections	GRANT FUNDED: SLR POLICY GUIDANCE STEP 1
1.1 Planning Horizons	Existing, 2030, 2060, and 2100
1.2 Best Available Science Projections	TNC LiDAR data and science are NRC consistent
1.3 Prepare SLR Projection Summary report	Consultant prepares, with Agency Stakeholder review
1.4 PAC and Agency Stakeholder Outreach	PAC meeting, Planning Commission study session
Document and web-postings: <ul style="list-style-type: none">Task 1.3 ReportTNC Technical DocumentationPresentation PPT and related materials	Completion within 3 months Target date: 7/1/2014 Cumulative from start: + 3 months
Task 2. STEP 2 Sea Level Rise (SLR) Mapping	GRANT FUNDED: SLR POLICY GUIDANCE STEP 2
2.1 Determine local hydrology	Engineering consultant to work with Public Works
2.2 TNC SLR Scenarios Mapping	3 storm event levels, coastal erosion, fluvial interactions
2.3 Prepare SLR Map Atlas and report	SLR and Engineering Consultants
2.4 PAC, Agency Stakeholder Outreach	Combination of Task 1.3 and 2.3 reports: Facilitator
Document and web-postings: <ul style="list-style-type: none">Task 2.3 ReportSLR Map Atlas, scenario descriptionsPresentation PPT and related materials	Completion within 3 months Target date: 10/1/2014 Cumulative from start: + 6 months
Task 3. Planning Areas Risk Assessments	GRANT FUNDED: SLR POLICY GUIDANCE STEP 3
3.1 Area 1: Fifth Street to Santa Clara River	Engineering and SLR Consultants, Public Works, Agencies
3.2 Area 2: Channel Islands to 5 th Street	Engineering and SLR Consultants, Public Works, Agencies
3.3 Area 3: Channel Islands Harbor	Engineering and SLR Consultants, Public Works, Agencies
3.4 Area 4: Ormond Beach	Engineering and SLR Consultants, Public Works, Agencies

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3.5 Summary of SLR Risk Assessment	SLR consultant, Agency Stakeholder review/revise
3.6 SLR Risk Assessment Economic Impact	Economic Consultant, PAC, Agency Stakeholder
3.7 PAC, Agency Stakeholder outreach	Facilitator presents Tasks 3.5 and 3.6, feedback Joint Planning Commission/City Council study session
Document and web-postings: <ul style="list-style-type: none"> Task 3.5 Summary Task 3.6 Economic Impact report Presentation PPT and related materials 	Completion within 6 months Target date: 4/1/2015 Cumulative from start: + 12 months
Task 4. SLR Adaptation Measures	GRANT FUNDED: SLR POLICY GUIDANCE STEP 4
4.1 SLR Adaptation Best Practices white paper	SLR Consultants, with Agency Stakeholder input
4.2 New Development: Location and Planning	SLR and Engineering consultants work with Agency Stakeholders in a series of workshops developing adaptation measures consistent with the Commission's Guidance, Steps 4.1 to 4.9.
4.3 Hazards and Shoreline/Beaches	
4.4 Public Access and Recreation	
4.5 Coastal ESA and ESHA Habitats	
4.6 Agricultural Preservation and Enhancement	
4.7 Water Quality	
4.8 Archeological & Paleontological Resources	
4.9 Scenic and Aesthetic Resources	Existing conditions and impacts are documented for purposes of CEQA review.
4.10 OTC, Energy Uses, and Coastal Industrial	
4.11 Ormond Beach Wetlands and Halaco site	SLR and Engineering consultants work with Conservancy, State Parks, and Ventura County Harbor Department to ensure consistency with respective agency plans
4.12 Santa Clara River Estuary and State Beach	
4.13 Ventura County Harbor Public Works Plan	
4.14 SLR Adaptation Draft and Final LCP Chapter	Consultants prepare and present Draft, receive and review comments, and prepare Final Adaptation LCP chapter after 8 combined PAC and Agency Stakeholder meetings (one for each planning area), and 2 meetings each with Coastal Conservancy, State Parks, Ventura County, and Coastal Commission-Ventura office.
4.15 PAC and Agency Stakeholder outreach	Large-scale public roll-out, Spanish and EDC outreach Joint Planning Commission/City Council study session
Document and web-postings: <ul style="list-style-type: none"> Task 4.14 Draft and Final Reports Presentation PPT and related materials 	Completion within additional 6 months Target date: 10/1/2015 Cumulative from start: + 18 months
Task 5. Oxnard LCP Update	CITY FUNDED : SLR POLICY GUIDANCE STEP 5
5.1 Update/revise the LCP Coastal Land Use Plan	Consultant team updates LCP Policies and Land Use Plan consistent with the 2030 General Plan and incorporates Final SLR Adaptation chapter from Task 4.14. LCP Update is consistent with 2007 LCP Update Guide, as revised
5.2 Update/revise City Code Chapter 17	Implementation Code is updated consistent with Task 5.1
5.3 Draft and Final LCP and Code Update	Consultants prepare and present Draft LCP and Code Updates, receive and review comments, and prepare Final LCP and Code Updates after PAC and Agency Stakeholder workshops, and one meeting each with Coastal Conservancy, State Parks, Ventura County, and Coastal Commission-Ventura office.
5.4 Planning Commission Adoption	Planning Commission review and adoption

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5.5 City Council Adoption	City Council review and adoption
Document and web-postings: <ul style="list-style-type: none"> Task 5.3 Draft/Final LCP and Code Updates Presentation PPT and related materials Required PC notices and staff reports Required CC notices and staff reports 	Completion within additional 12 months Target date: 10/1/2016 Cumulative from start: + 30 months
CEQA IS NOT A PART OF THE GRANT OR PROJECT	
Task 6. CEQA Review	CITY FUNDED: NOT INCLUDED IN PROJECT BUDGET
6.1 Notice of Preparation	A Subsequent Program EIR is anticipated that tiers off of the 2030 General Plan Program EIR for the LCP Update and Chapter 17 Code Update, to be prepared in tandem with Task 5 under separate City funding and consultants.
6.2 Notice of Draft EIR Completion and Review	
6.3 Preparation of Final EIR and Certification	
Document and web-postings: <ul style="list-style-type: none"> CEQA Notices and required documents Draft and Final EIR Findings and Overriding Considerations 	Completion in tandem with LCP and Code Updates Required for Task 5.4 Planning Commission action Target date: 10/1/2016
Task 7. Coastal Commission Certification	CITY FUNDED
7.1 Submission to Coastal Commission	The LCP Update is being planned fully consistent with Coastal Commission SLR and LCP Update guidance documents and with periodic Commission staff review. Target date is based on accepted certification application.
7.2 Revisions and Resubmission to Commission	
7.3 Acknowledgement of Coastal Commission Amendments, Acceptance, and Agreements	
Document and web-postings: <ul style="list-style-type: none"> Commission required documents Final LCP and Code with Commission changes 	Submission completed within additional 6 months Target date: 4/1/2017 Cumulative from start: + 36 months
Task 8. Project Management	GRANT AND CITY FUNDED
8.1 City project manager/administrative support	Principal Planner, Budget Analyst, clerical support staff
8.2 RFP process, consultant management	Proposal review team, contract management
8.3 Agency Stakeholder advisory committee	Organize and manage Agency Stakeholder s
8.4 Public Advisory Committee (PAC)	Organize and manage PAC
8.5 Supplies, travel, and incidental expenses	Workshop and meeting supplies, paid meeting rooms, light refreshments, legal and meeting advertising, City staff travel to 2 regional and/or state APA or related meetings to present Adaptation chapter and final LCP Update. All office equipment, office space, local travel, and telecommunications provided by the City at no cost.
Outcome/Deliverables <ul style="list-style-type: none"> Customary administrative records Quarterly Grant progress reports Agency Stakeholders meeting minutes PAC Stakeholders meeting minutes Conference presentation reports 	The City will document to the extent required by the Coastal Commission all financial and administrative records in accordance with generally accepted governmental accounting standards.

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Please list (1) all significant and pertinent project benchmarks related to the project for which funds are being requested, (2) expected dates for reaching or completing those steps. These will be used in monitoring grant progress and in grant reporting under approved contracts.

BENCHMARK SCHEDULE

TASK/ACTIVITY	COMPLETION DATE/CUMULATIVE
1.4 SLR Science and Projection Summary	7/1/2014 + 3 months
2.4 SLR Mapping Report	10/1/2014 + 6 months
3.7 Risk and Economic Assessment	4/1/2015 + 12 months
4.14 SLR Adaptation chapter completed	10/1/2015 + 18 months
5.15 LCP Update and City Council Adoption	10/1/2016 + 30 months
6.3 CEQA Review	10/1/2016 in tandem with 5.15
7.3 Coastal Commission certification	4/1/2017 + 36 months

Task 8.1 Project Management

The City would contract with the Coastal Commission for the grant using the Commission's contract format. The Development Services Director, Matthew Winegar, AICP, would be the Project Director. Dr. Christopher Williamson, AICP, Principal Planner, would be the Project Manager with responsibility for the execution of all tasks and oversight of consultants. Dr. Williamson has over 30 years of experience in local and regional planning, CEQA and NEPA impact analysis and documentation, and policy analysis and public participation. He was the manager of the 8-year, \$1.8 Million Oxnard 2030 General Plan and 2006-2014 Housing Element process and has processed several controversial Oxnard LCP amendments. City staff positions to work on the project are included in Attachment 12.

This task includes the RFP process to retain and manage a consultant team. Three types of consultants are required which may be retained separately or as a team, depending on the results of the RFP process and their availability, coastal experience, EDC outreach, and related qualifications:

- 1) Facilitators for public and stakeholder engagement, with Spanish and EDC outreach,
- 2) Engineering and SLR and coastal expertise, and
- 3) Economic and policy analysis.

Task 8.2 and 8.3: Agency Stakeholders and Public Advisory Committee (PAC) Outreach

With authorization to proceed, the Project Manager would begin to identify and activate the Agency Stakeholders and a PAC. The PAC will include an outreach to the City's large Spanish speaking Economically Disadvantaged Community (EDC) population. The Ormond Beach Task Force and TNC stakeholders group already exist and meet on a regular basis. The consultant, working with the City public information office, will provide Spanish-translation and programming for the City TV cable channel. KEYT, a television based in Santa Barbara that covers news in Ventura County, and several local radio stations and newspapers will provide coverage. The consultant will create and maintain a comprehensive Sea Level Rise chapter and LCP Update Internet page to be hosted by and later incorporated into and maintained by the City's Information Services staff.

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BUDGET. Please provide a proposed budget, including the Application Budget Information and a Budget Summary, using the provided Application Budget Form.

Funding Request: \$150,000

Total Project Cost: \$450,000*

* CEQA review process under separate consultants and City funding: Project includes \$150,000 value of TNC's LiDAR data collection and NRC-consistent modeling already completed.

The proposed budget is outlined on the following page by Task and subtask. The science for Tasks 1 and 2 is completed and ready to use, provided by TNC and valued at \$150,000. These critical data and SLR and storm event modeling are completed and should be credited to the overall LCP Update program. TNC data, metadata, technical documentation, and Internet mapping portal and tool are all available at <http://coastalresilience.org/geographies/ventura-county>. \$38,000 is budgeted from the Commission grant to prepare the SLR scenario maps and work with the Agency Stakeholders and PAC to prepare a Summary Report.

The requested grant then funds Tasks 3 and 4, Risk and Vulnerability Assessment and preparation of the adaptation chapter for the Oxnard LCP, at \$103,000. Six percent (\$9,000) of the grant is budgeted for management, supplies, and travel under Task 8.

Tasks 5, 7, and most of 8 are funded by the City match of \$150,000: preparation of the LCP, its adoption, and Coastal Commission certification.

Task 6, CEQA Review, will be funded separately and with different and independent consultants utilizing updated City CEQA Thresholds.

The budget is included with the Application in an Excel file.

OTHER FUNDING SOURCES (NOT INCLUDING IN-KIND SERVICES)

\$ Amount	Source of funds	Status
\$ 150,000	General Fund or City of Oxnard local ½ cent sales tax (Measure 'O') funds	City Council adopted resolution of intent to funding match on November 19, 2013. About \$10 Million in Measure 'O' allocated by City Council each year.
	Also, potential funding from \$500,000 SCE Peaker Power Plant mitigation fund available in 2014, to be allocated by the Coastal Commission Executive Director to Oxnard for Coastal-related projects. The City will request that a portion of the mitigation be used for the LCP Update.	\$500,000 SCE mitigation fee on deposit with Coastal Commission, San Francisco

In-kind Services: \$ 150,000 value of TNC's LiDAR "Best Available Science" LiDAR data and NRC-consistent modeling **already completed and immediately available for Tasks 1 and 2.**

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Task Number	City of Oxnard Sea Level Rise and LCP Update	Total Cost	Allocation of total cost		
			Oxnard	Grant	TNC
1.1	SLR Horizons	\$ 1,000		\$ 1,000	
1.2	SLR Projections	\$ 3,000		\$ 3,000	
1.3	Summary Report	\$ 9,000		\$ 4,000	5000
1.4	Outreach	\$ 2,000		\$ 2,000	
2.1	Local Hydrology	\$ 10,000		\$ 10,000	
2.2	SLR Mapping	\$ 155,000		\$ 10,000	145000
2.3	Map Atlas and Report	\$ 5,000		\$ 5,000	
2.4	Outreach	\$ 3,000		\$ 3,000	
	Subtotal Tasks 1 and 2	\$ 188,000	\$ -	\$ 38,000	\$ 150,000
3.1	Risk Assessment: Area 1	\$ 9,000		\$ 9,000	
3.2	Risk Assessment: Area 2	\$ 9,000		\$ 9,000	
3.3	Risk Assessment: Area 3	\$ 9,000		\$ 9,000	
3.4	Risk Assessment: Area 4	\$ 9,000		\$ 9,000	
3.5	Summary Risk Report	\$ 4,000		\$ 4,000	
3.6	Economic Assessment	\$ 10,000		\$ 10,000	
3.7	Outreach	\$ 4,000		\$ 4,000	
4.1	Best Practices	\$ 4,000		\$ 4,000	
4.2	New Development	\$ 2,000		\$ 2,000	
4.3	Hazards and Shoreline	\$ 2,000		\$ 2,000	
4.4	Access and Recreation	\$ 2,000		\$ 2,000	
4.5	ESA Habitat and ESHA	\$ 4,000		\$ 4,000	
4.6	Agricultural	\$ 2,000		\$ 2,000	
4.7	Water Quality	\$ 2,000		\$ 2,000	
4.8	Archeo/Paleo Resources	\$ 1,000		\$ 1,000	
4.9	Scenic and Aesthetic	\$ 2,000		\$ 2,000	
4.10	OTC, Energy, Industrial	\$ 8,000		\$ 8,000	
4.11	Ormond Beach Wetlands	\$ 3,000		\$ 3,000	
4.12	Santa Clara R. & Park	\$ 3,000		\$ 3,000	
4.13	Harbor Public Works Plan	\$ 3,000		\$ 3,000	
4.14	SLR Draft and Final chapter	\$ 6,000		\$ 6,000	
4.15	Outreach	\$ 5,000		\$ 5,000	
	Subtotal Tasks 3 and 4	\$ 103,000	\$ -	\$ 103,000	\$ -
5.1	Update Oxnard LCP	\$ 30,000	\$ 30,000		
5.2	Update Chapter 17 Code	\$ 7,000	\$ 7,000		
5.3	Complete LCP Update	\$ 50,000	\$ 50,000		
5.4	Planning Commission	\$ 4,000	\$ 4,000		
5.5	City Council	\$ 4,000	\$ 4,000		
6	CEQA Review (not included)	NA	NA	NA	NA
7.1	Submit to Commission	\$ 5,000	\$ 5,000		
7.2	Revise and Resubmit	\$ 5,000	\$ 5,000		
7.3	Acknowledgement, etc.	\$ 3,000	\$ 3,000		
8.1	Project Management	\$ 25,000	\$ 20,000	\$ 5,000	
8.2	Consultant RFP process	\$ 3,000	\$ 2,000	\$ 1,000	
8.3	Agency Stakeholders	\$ 5,000	\$ 5,000		
8.4	Public Advisory Committee	\$ 5,000	\$ 5,000		
8.5	Supplies, travel, etc.	\$ 13,000	\$ 10,000	\$ 3,000	
	Subtotal Tasks 5, 7, and 8	\$ 159,000	\$ 150,000	\$ 9,000	\$ -
TOTAL		\$ 450,000	\$ 150,000	\$ 150,000	\$ 150,000

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

BUDGET SUMMARY

Grant Application Budget Form

Organization Name: City of Oxnard
 Project Title: Oxnard LCP Sea Level Rise Adaptation Chapter
 Requested Amount: \$ 150,000

	Grant Request Budget	Total Project Budget
Personnel:		
Salaries and Wages ⁽¹⁾	\$ 94,900	\$ 184,600
Benefits ⁽²⁾	\$ 51,100	\$ 99,400
<i>Total Personnel</i>	<i>\$146,000</i>	
Operating Expenses		
Postage/Supplies/ and Materials ⁽³⁾	\$ 2000	\$ 11,000
Travel ⁽⁴⁾	\$ 2000	\$ 5,000
Indirect Costs ⁽⁵⁾	None	None
<i>Total Operating Expenses</i>	<i>\$ 150,000</i>	<i>\$300,000</i>
Total Budget	\$ 150,000	\$ 300,000
TNC Completed Science and Mapping		\$ 150,000
Grant Total Complete SLR and LCP Update		\$ 450,000

(1) City staff pay rates and overhead are shown in Attachment 12. These rates have been used in three energy efficiency planning contracts with Southern California Edison, under purview of the CPUC, and are the target billing rates expected from consultants. All positions are included that may be involved at some point with the LCP Update project.

(2) **Overall City average benefits burden is 35%, and does not exceed 40% for any City staff.**

(3) Attachment 13 is a list of expected supplies and materials, with expected costs.

(4) Travel reimbursements would follow regular City procedures that are consistent with similarly situated State employees, using Federal mileage rates, etc.

(5) There are no indirect costs requested. **All overhead is provided by the City at no cost.**

⁽¹⁾ Attach an explanation of rate(s) and hours for each position for which funds are being requested.

⁽²⁾ Amount requested for benefits not to exceed 40% of amount requested for salary or wage.

⁽³⁾ Include a list of the major supplies and materials and how much they cost.

⁽⁴⁾ Travel reimbursement rates are the same as similarly situated state employees.

⁽⁵⁾ Indirect costs include, for example, a pro rata share of rent, utilities, and salaries for certain positions indirectly supporting the proposed project but not directly staffing it. Amount requested for indirect costs should be capped at 10% of amount requested for "Total Personnel."

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

1. **A RESOLUTION FROM THE APPLICANT'S GOVERNING BODY.** Please submit a resolution containing that contains the following authorizations: 1) authority to submit the proposal, 2) authority to enter into a contract with the California Coastal Commission if the grant is awarded, and 3) designation of the applicant's authorized representative (name and title).

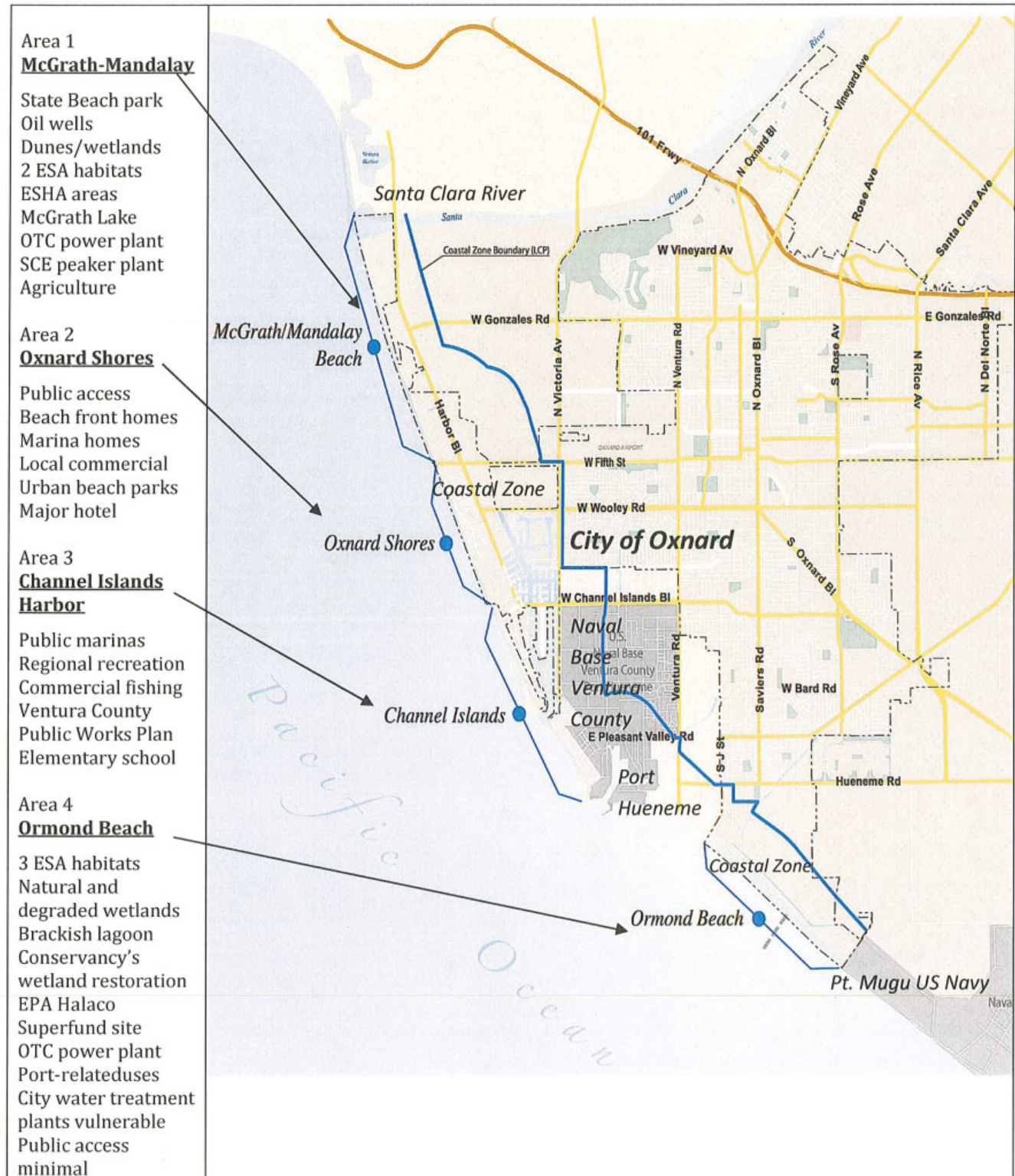
PLEASE SEE ATTACHMENT 11

ATTACHMENTS

- 1 Oxnard LCP Planning Areas with Additional Description
- 2 Planning Area 1 Aerial Photo
- 3 Planning Area 2 Aerial Photo
- 4 Planning Area 3 Aerial Photo
- 5 Planning Area 4 Aerial Photo
- 6 Combined Storm Flood Hazard Zones:
Existing, 2030, 2060, 2100
- 7 Extreme High Water Inundation Area:
Existing, 2030, 2060, 2100
- 8 Ormond Beach Wetland Restoration, Alternative 2U
- 9 2030 General Plan, Chapter 2, Goals and Policies
"Sustainable Community"
- 10 The Nature Conservancy support letter.
- 11 City Council Resolution 14,444, adopted November 19, 2013.
- 12 City Staff Hourly Rates and Benefit Load
- 13 Major Supplies and Materials Costs

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 1: City of Oxnard, Local Coastal Program (LCP) Planning Areas



Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 1 cont. **Planning Area 1: McGrath-Mandalay (Santa Clara River to Fifth Street)**

- McGrath State Beach, located on the south side of the Santa Clara River estuary, is periodically closed due to river estuary flooding, and portions of the park have eroded into the Pacific Ocean and river. The Oxnard LCP needs updated to accommodate the State Beach Master Plan which envisioned a southward relocation, but the 1979 relocation plan itself needs to take into account sea level rise scenarios.
- McGrath Lake, a publically-owned back dune fresh-water lake and seasonal wetland, has no public access. The lake's vulnerability to sea level rise is required before planning for the lake's appropriate public access, perhaps as part of the relocated McGrath State Beach.
- The Mandalay OTC power plant is slated for closing and ejects cooling water directly over the beach. The owners are proposing to repower with a new 300 MG facility that is not coastal dependent. What is the vulnerability of the proposed power plant during its expected operating life? What is the appropriate reuse of the site of the existing OTC plant?
- SCE built a 45 WM peaker power plant adjacent to the Mandalay OTC plan over the City's objections. A \$500,000 mitigation fee is on deposit with the Coastal Commission to fund beach access and habitat restoration. The Executive Director has discretion to allocate some of the mitigation fund to LCP planning, which the City will request in 2014.
- Beach and back dune areas are designated nesting areas for two EPA-designated endangered species. How and where can these habitats be relocated?
- Saltwater intrusion is a threat to the lower aquifer system used for nearby coastal agriculture. The City's recycled water supply could be injected to form a salt-water intrusion barrier, but how would the injected water interact with the existing hydrologic connections?

Planning Area 2: Oxnard Shores (Fifth Street to Channel Islands Boulevard)

- Beachfront homes and public access and recreational facilities are within existing and coastal wave run up flood zones. This wide flat area is fully developed and, for the time being, somewhat protected by the wide beach nourished by the coastal littoral current. The LCP sea-level rise chapter will include modeling of littoral currents and periodic storm erosion that may, at some future point, render this area more vulnerable. What soft and engineering adaptations are feasible and appropriate here?
- Windblown sand regularly drifts onto City streets, requiring regular relocation. Climate Change will include stronger wind events, leading to additional wind damage.

Planning Area 3: Channel Islands Harbor (Channel Islands Boulevard to City of Port Hueneme)

- The 1986 Channel Islands Harbor Public Works Master Plan (County of Ventura) does not incorporate sea level rise. The entire man-made Channel Islands Harbor and adjoining Oxnard residential marinas are in current storm inundation zones which will only increase under sea-level rise scenarios. A hydrologic vulnerability study is

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

required for the storm drain inlets that serve about half the City to establish and what short, medium, and long adaptation options are available and feasible.

- Channel Islands Harbor is home to commercial fishing, tour boats to the Channel Islands National Park, and various coastal-dependent businesses that are vulnerable to existing storm flooding and, by extension, even more vulnerable with future sea level rise. The LCP sea-level rise chapter will need to examine changes to marine biology from warmer water and currents and impacts on fisheries.

Planning Area 4: Ormond Beach (Port Hueneme to Point Mugu Naval Air Station)

- Ormond Beach is one of the last natural wetlands in California with diverse habitats of brackish and seasonal marshes, coastal lagoons, grasslands and uplands, and endangered species habitats. Rare and migratory birds are common. The Coastal Conservancy's Ormond Beach Wetlands Restoration Feasibility study, completed in 2009 at a cost of about \$25 Million, allows for naturally-occurring inland wetland migration as the sea-level rises (see Attachment 8). The City's 2030 General Plan fully adopts the Conservancy's wetland restoration plan in its entirety. The LCP update is required to incorporate the Conservancy plan into the Oxnard LCP so that the restoration planning and eventual implementation may begin.
- The Ormond Beach is flooded on a regular basis from tidal and storm events, and the Ormond Beach Lagoon is blocked by a littoral berm that recently resulted in storm water of six feet at Oxnard's Wastewater Treatment Plant and Advanced Water Purification Facility water treatment plants. The current and continuing flooding vulnerabilities need to take into account sea-level rise and tidal and storm surge events.
- The EPA "Halaco" Superfund site fills former wetlands designated for restoration
- The Ormond Beach OTC Power Plant is obsolete and designated for decommissioning by 2020.
- Beach and back dune designated nesting areas for three EPA-designated endangered species: Least Tern, Tidewater Goby, and Snowy Plover
- Saltwater intrusion is a threat to the lower aquifer that supplies well water for the coastal agriculture, located nearby in the County.
- Public access to Ormond Beach is substandard and poorly addressed in the City's LCP. A public access plan was prepared by a Cal Poly Pomona Landscape Architecture graduate class in 2010. The plan focused on the large Hispanic and low income population in South Oxnard and their relative unawareness of the wetlands as a local coastal access resource. UC Davis leads a consortium of educators who bring several thousand school children each year for walking tours on the limited area open to the public.

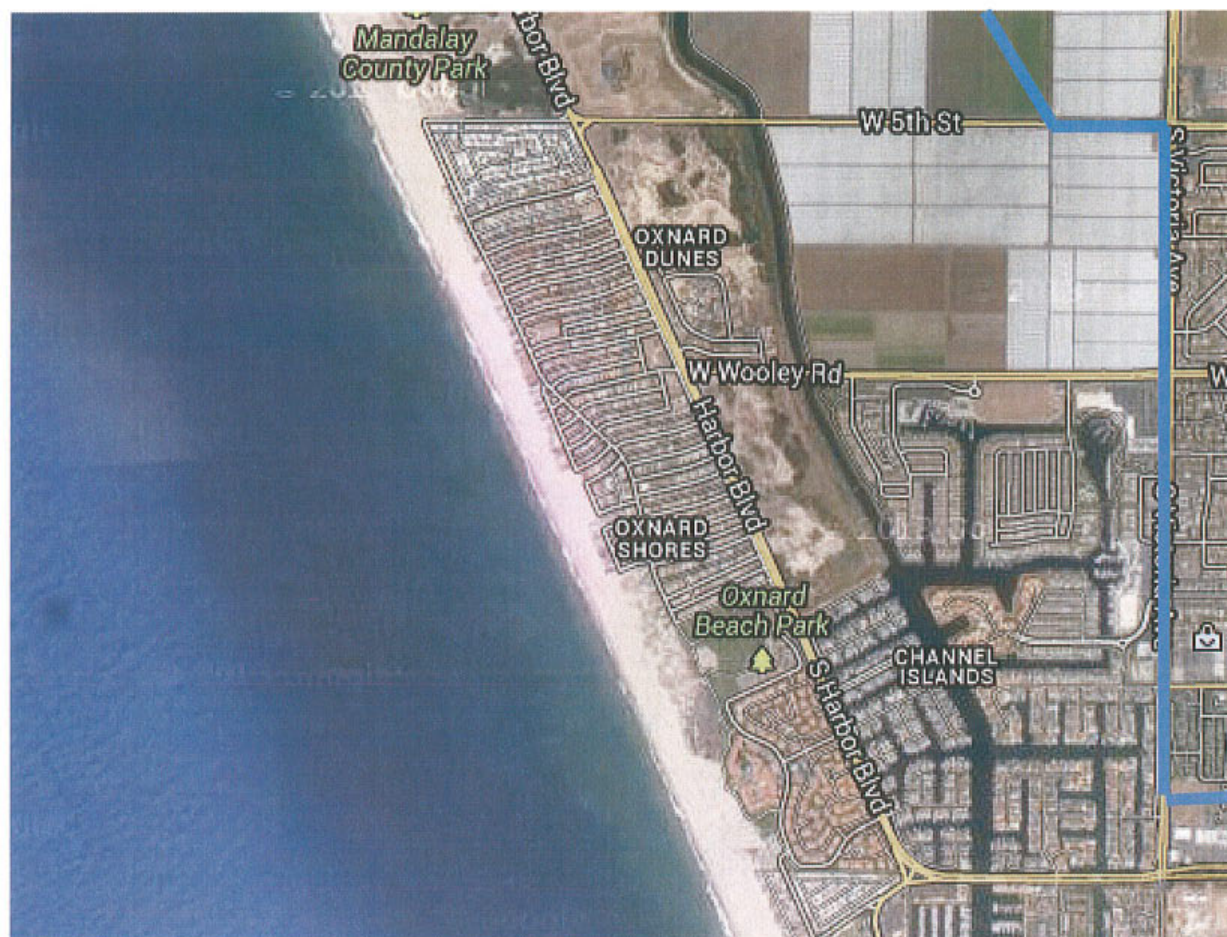
Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 2: Area 1: McGrath-Mandalay (approximate Coastal Zone boundary)



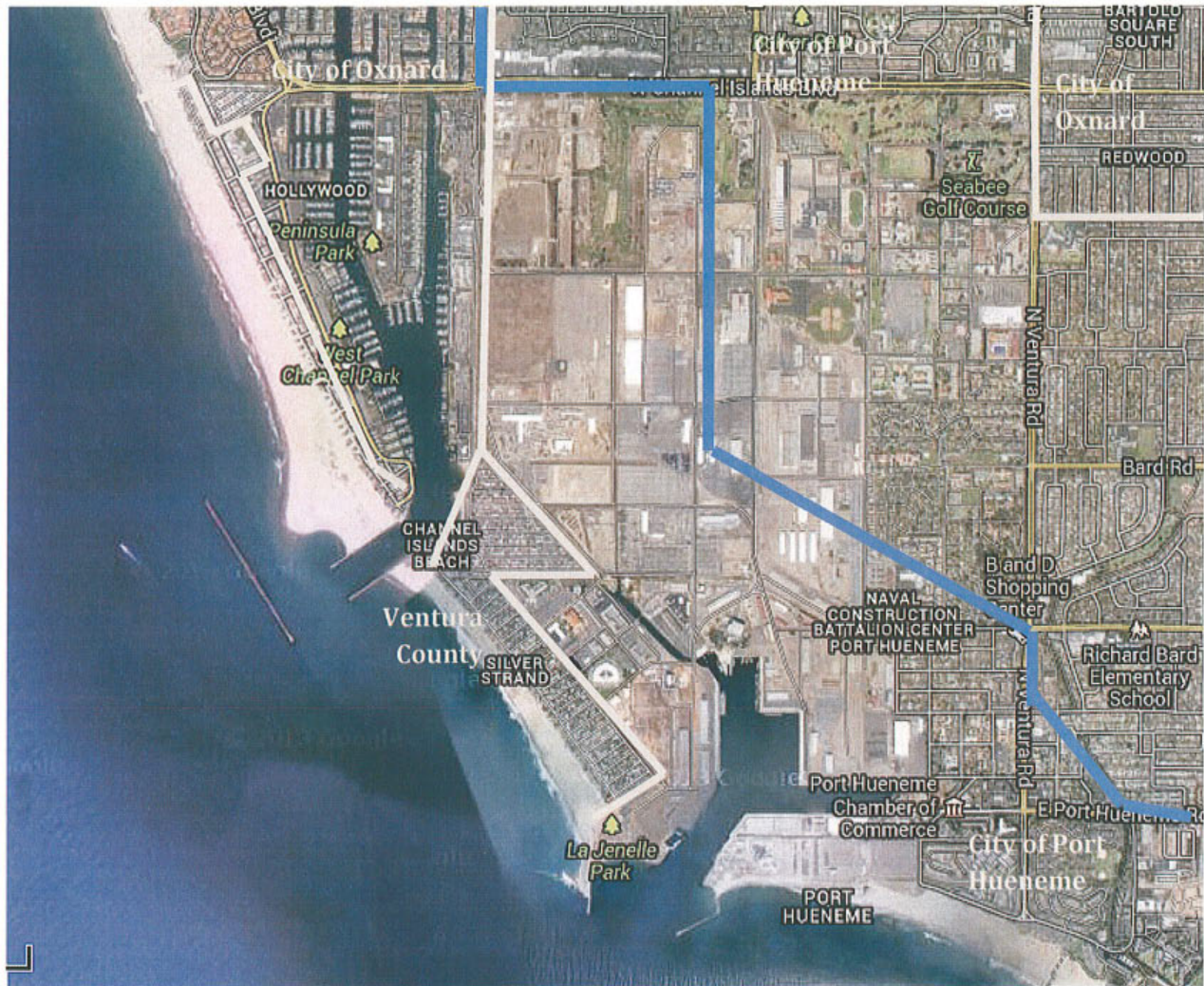
Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 3: Area 2: Oxnard Shores (approximate Coastal Zone boundary)



Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 4: Area 3: Channel Islands Harbor (approximate Coastal Zone boundary)



Oxnard Sea Level Rise Chapter and LCP Update Grant Application

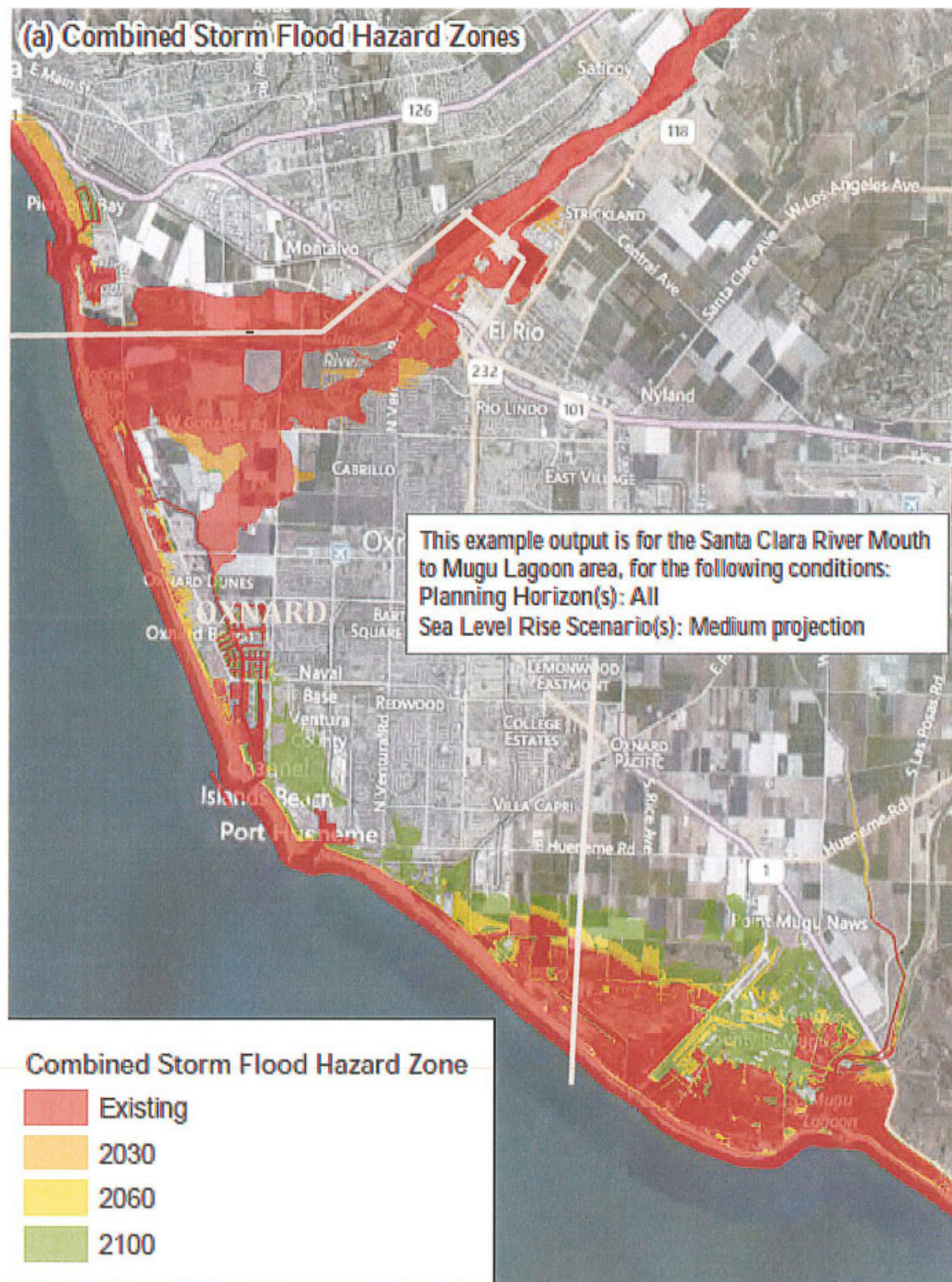
Attachment 5: Area 4: Ormond Beach (approximate Coastal Zone boundary)



Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 6: Combined Storm Flood Hazard Zones: Existing, 2030, 2060, 2100

Source: The Nature Conservancy Coastal Resilience Project, Ventura County, 2013
Approximate City limits. City of Port Hueneme, Naval Base Ventura County, and several unincorporated Ventura County areas included in the Coastal Zone.



Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 7: Extreme High Water Inundation Area: Existing, 2030, 2060, 2100

Source: The Nature Conservancy Coastal Resilience Project, Ventura County, 2013

Approximate City limits. Naval Base Ventura County and unincorporated Ventura County areas included within Oxnard Planning Area



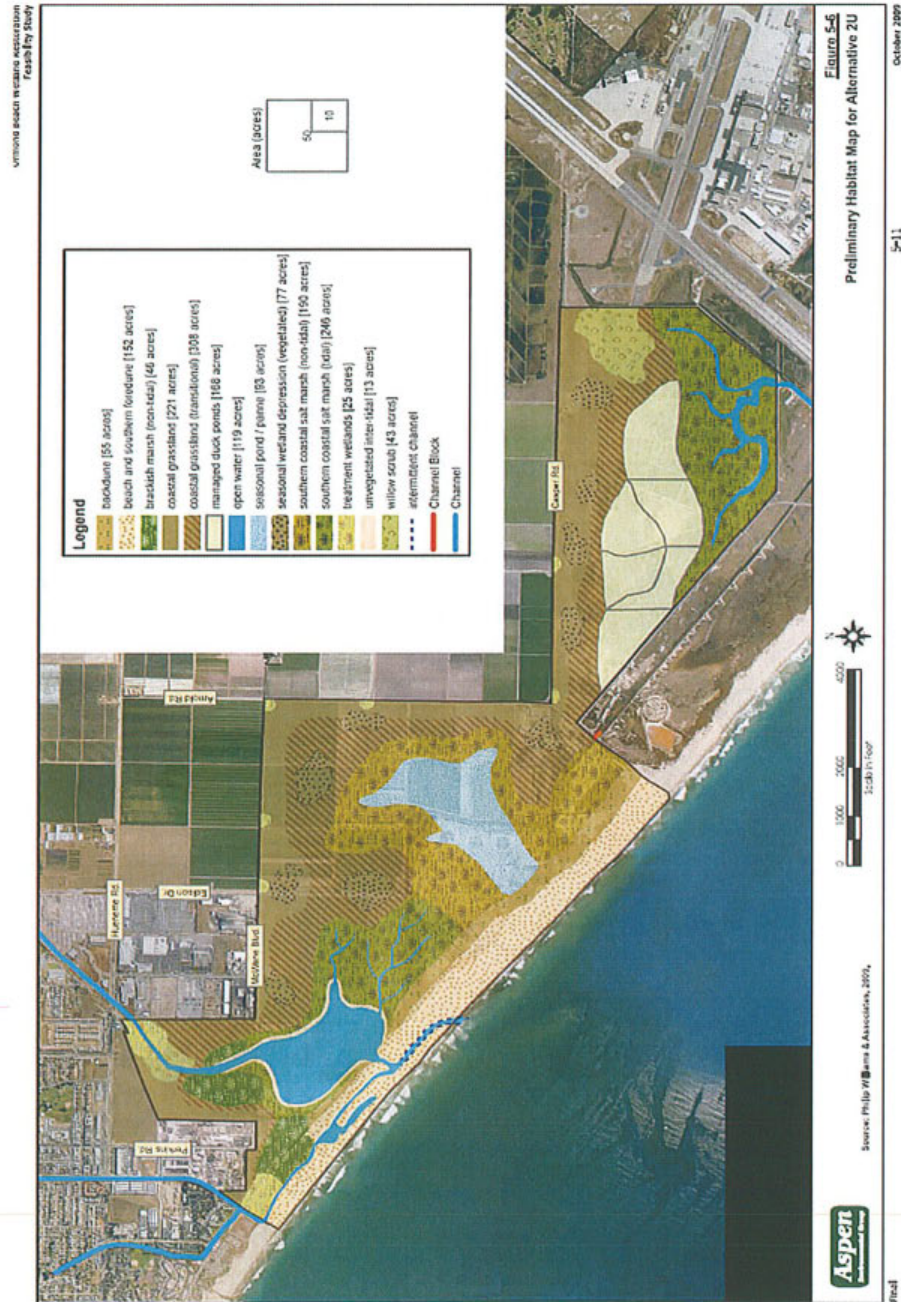
Aerial Image by Bing Basemap
3/13/2013

* EHW is Extreme High Water, the average of the highest monthly tides.

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 8: Ormond Beach Wetland Restoration, Alternative 2U

Source: Ormond Beach Wetland Restoration Feasibility Study, 2009



Attachment 9: Oxnard 2030 General Plan, Chapter 2, Goals and Policies

Goals and Policies

Climate Change and Global Warming Awareness

Goal SC-1	Supporting and Participating in Global Warming and Climate Change Adaptation analysis and programs.
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Inventory and Monitor GHG Emissions

Inventory and monitor GHG emissions in City operations and in the community consistent with Ventura County Air Pollution Control District and/or State guidelines.

Support Statewide Global Warming and Climate Change Mitigation

Continue to monitor and support the efforts of the California Air Resources Board and other agencies as they formulate Global Warming and Climate Change adaption and mitigation strategies and programs.

Develop a Climate Action and Adaptation Plan (CAAP) That Supports the Regional SB 375 Sustainable Communities Strategy

Develop a Climate Action and Adaption Plan that implements requirements adopted by the California Air Resources Board and/or the Ventura County APCD that establishes a GHG emissions qualitative and quantitative threshold of significance, establishes GHG reduction targets, and supports the regional SB 375 Sustainable Communities Strategy.

Awareness of Environmental Justice

Advise other agencies regarding and incorporate environmental justice within City planning, policies, programs, projects, and operations.

Sea Level Rise Awareness and Planning

Goal SC-2	Sea level rise is routinely considered relative to coastal areas and other City decisions, as relevant.
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Sea-Level Rise and Updating the Local Coastal Program

Include best-available information regarding possible sea-level rise in the next revision of the Local Coastal Program, which should be initiated within one year of adoption of the 2030 General Plan.

Sea Level Monitoring System

Consider installation of a sea-level monitoring system that detects small changes to coastal sea level and tidal change.

Sea Level Rise Consideration in Decision-Making

Ensure that all planning, public works, and related decisions take rising sea level into consideration and take steps to reduce risk of damage or loss of life and property.

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Avoidance of Coastal Armoring or Hardening

Wherever feasible, avoid coastal armoring or hardening in new development or in mitigating current and future risk to existing development.

Energy Generation and Increased Efficiency (Energy Action Plan)

Goal SC-3

Energy efficiency performance standards and generation from renewable sources.

New Residential Development

Encourage incorporation of passive and active energy and resources conservation design and devices in new residential development and substantial remodels and/or expansions.

Develop a City Energy Action Plan

Develop an Energy Action Plan (EAP) that identifies feasible programs that reduce energy consumption within City government facilities and the City vehicle fleets by at least ten percent below 2005 levels.

Develop a Community Energy Action Plan

Develop a Community Energy Action Plan that identifies feasible programs that reduce private sector and institutional consumption of energy.

Alternative Energy for Public Buildings

As part of the City and Community EAP's, transition City and other semi-public and large energy users to solar and wind energy sources over a reasonable and feasible time period.

Load Shifting Devices

As part of the City EAP, consider installing devices on municipal buildings that reduce the power required to operate equipment and for shifting the equipment usage to off-peak hours.

SC-3.1 Targets for Zero-Emission Vehicles

As part of the City EAP, meet or exceed state targets for zero-emission fuel vehicle miles traveled within the City by supporting the use of zero-emission vehicles (low speed "neighborhood electric vehicles", utility low-range battery electric vehicles, mid-range "city electric vehicles", full function battery electric vehicles, and fuel cell vehicles) within City departments and divisions.

SC-3.2 Renewable Energy Production Requirement

As part of the City and Community EAP's, require that master planned commercial and industrial developments incorporate solar, wind, and other renewable energy generation and transmission equipment unless demonstrated to the satisfaction of a qualified renewable energy consultant to be infeasible.

SC-3.3 Require Use of Passive Energy Conservation Design

As part of the City and Community EAP's, require the use of passive energy conservation by building material massing, orientation, landscape shading, materials, and other techniques as part of the design of local buildings, where feasible.

Promote Voluntary Incentive Programs

Promote voluntary participation in incentive programs to increase the use of solar photovoltaic systems in new and existing residential, commercial, institutional and public buildings, including continued participation in the Ventura County Regional Energy Alliance (VCREA).

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Alternatives to Power Plant Generation

Evaluate the feasibility of incorporating alternative sources of power generation such as wind and tidal power into the regional existing power supply grid to reduce reliance on GHG emission producing public utility and privately-owned power plants.

Waste Conversion to Energy Facility

As part of the City and Community EAP's, evaluate the feasibility for the design and construction of a conversion technology capable of converting municipal solid waste into alternative sources of energy.

Encourage Natural Ventilation

Review and revise applicable planning and building policies and regulations to promote use of natural ventilation in new construction and major additions or remodeling consistent with Oxnard's temperate climate.

Green Building Code Implementation

Goal SC-4

Implementation of the California Green Building Code.

Implement the 2010 California Green Building Code as may be amended (CALGREEN) and consider recommending and/or requiring certain developments to incorporate Tier I and Tier II voluntary standards under certain conditions to be developed by the Development Services Director.

Partnerships

Goal SC-5

Share ownership and responsibility for designing, developing, and delivering a successful sustainable community by creating planning and implementation partnerships.

Green Business Council

Support the creation of a local green business council that provides information exchange and promotes sustainable business practices that balance environment, equity, and economy.

Organize Volunteer Work Days

Set up days where citizens can volunteer and participate in "green practices" such as planting trees, cleaning up parks, or updating public areas or buildings with new sustainable amenities.

Community Gatherings and Workshops

Encourage community involvement by hosting community events such as picnics and educational workshops that will promote sustainability and encourage public involvement.

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

SC-5.1 *Coordinate with Local Utility Providers and VCREA*

Coordinate with local utility providers and the Ventura County Regional Energy Alliance (VCREA) to promote public education and energy conservation programs to increase the use of solar photovoltaic systems and other technology in new and existing residential, commercial, institutional and public buildings.

SC-5.2 *Local Food Partnerships*

Foster the development of a local foods program in cooperation with the agricultural industry and food wholesalers and retailers that reduces the “carbon footprint” of harvesting, processing, and delivering food to Oxnard and area residents, especially for schools and other large scale

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 10: City Council Resolution of Support for Grant Application

CITY COUNCIL OF THE CITY OF OXNARD

RESOLUTION NO. 14,444

RESOLUTION OF SUPPORT BY THE CITY COUNCIL OF THE CITY OF OXNARD AND APPROVAL TO SUBMIT AN OXNARD LOCAL COASTAL PROGRAM (LCP) UPDATE PLANNING GRANT APPLICATION TO THE CALIFORNIA COASTAL COMMISSION AND DIRECTION TO THE CITY MANAGER TO EXECUTE APPROPRIATE AND NECESSARY AGREEMENTS, IF AWARDED

WHEREAS, City Council Resolution No. 12,053 sets out the procedure by which the City staff may submit grant applications, following approval by resolution by the City Council; and

WHEREAS, the Development Services Department, Planning Division has requested that City Council approve the submittal of an application to the California Coastal Commission (Commission) for up to \$150,000 from the Local Coastal Program (LCP) Planning Grant Program to prepare a Sea Level Rise Adaptation Chapter and update the Oxnard LCP; and

WHEREAS, City of Oxnard is eligible to receive a grant from the Commission to update the Oxnard LCP with an emphasis on conserving and protecting coastal resources from sea-level rise and related climate change impacts; and

WHEREAS, it is the express intent of the City Council that if the requested grant is awarded, the City Council would authorize at least \$150,000 in matching funding in FY 2014/2015 and/or FY 2015-2016 to complete the scope of work being funded by the requested grant; and

WHEREAS, recent expert reports from the Commission, National Research Council, the California Natural Resources Agency, and California Emergency Management Agency emphasize the importance of starting to plan for climate change impacts and the crucial role of local governments that develop and implement LCP's; and

WHEREAS, the Oxnard 2030 General Plan demonstrates the City's commitment to updating the LCP in a manner consistent with the Commission grant program: Goal CD-21, "Update the Oxnard Local Coastal Program" contains policies that give initial direction to an Oxnard LCP Update; and

WHEREAS, The Nature Conservancy (TNC) Ventura Coastal Resilience Project is one of eight locations worldwide that provides significant required science and modeling that is consistent with the Coastal Commission's Draft Sea-Level Rise Policy Guidance, the TNC research data and findings are available to the City of Oxnard, and the value of the TNC data and modeling specific to Oxnard is approximately \$150,000; and

WHEREAS, the U.S. Navy Joint Land Use Study (JLUS) has begun and may include a sea level rise assessment with special attention to the Ormond Beach wetlands and Mugu Lagoon; and

WHEREAS, the 2009 Ormond Beach Wetlands Restoration Feasibility Study by the Coastal Conservancy thoroughly examined the Ormond Beach wetlands area and the long-term impacts of sea level rise on the wetlands; and

WHEREAS, the 1979 McGrath State Beach Master Plan planned for the park facilities to move south to avoid inundation from the Santa Clara River estuary, and the park's current flooding adds to the urgency to update the Oxnard LCP; and

WHEREAS, the Coastal Commission released its Draft Sea-Level Rise Policy Guidance for public comment and, although portions of the draft may change when finalized, the document represents the Commission's direction to local jurisdictions relative to sea-level rise, and the grant proposal and scope of work largely utilize the tasks recommended by the Draft Sea-Level Rise Policy Guidance.

NOW, THEREFORE, the City Council of the City of Oxnard resolves to approve and support the submittal of a grant application by the City Manager to prepare a Sea Level Rise Adaptation Chapter update as a component of updating the Oxnard LCP. The City Council further resolves that the City Manager or designee is authorized to execute grant agreements, the Finance Director or designee is authorized to submit financial records and grant claims and approve special budget appropriations for the use of grant funds; and the Development Services Director or designee is authorized to submit non-financial reports.

PASSED AND ADOPTED this 19th day of November, 2013, by the following vote:

AYES: Councilmembers Flynn, Ramirez, MacDonald, Padilla and Perello.

NOES: None.

ABSENT: None.



Tim Flynn, Mayor

ATTEST:

Daniel Martinez, City Clerk

APPROVED AS TO FORM:



Stephen M. Fischer, Interim City Attorney

Attachment 11: The Nature Conservancy Letter of Grant Science Support



California Coastal and Marine Program
99 Pacific Street, Suite 200G
Monterey, CA 93940
(831) 333-2045

July 10, 2013

State Coastal Conservancy
1330 Broadway, 13th Floor
Oakland, CA 94612

RE: City of Oxnard Application for Local Coastal Program Sea Level Rise Adaptation Grant

Dear Ms. Small:

The Nature Conservancy submits this letter as evidence of our strong support for the City of Oxnard's application for the Local Coastal Program Sea Level Rise Adaptation Grant. The Nature Conservancy has been working closely with the City on a Coastal Resilience project in the area, described in more detail below, and would welcome the opportunity to assist the City in the sea level rise planning efforts described in this proposal. The City has a considerable advantage over other communities conducting vulnerability assessments; specifically, the Coastal Resilience Ventura project has already produced detailed modeling of the physical and economic implications of climate change and sea level rise within the City boundaries in order to inform their vulnerability analysis and make more informed planning decisions for the future. We urge the State Coastal Conservancy to approve the City's request for funding.

Coastal Resilience Ventura is a project of The Nature Conservancy and its partners that uses dynamic models to project changes to shoreline, fluvial flooding, and associated ecological systems under various climate change scenarios toward the creation of a decision support system for the entire coast of Ventura County, including the City of Oxnard. For Oxnard alone, TNC has invested over \$150,000 in physical and economic modeling, stakeholder engagement and staff time to investigate the scientific, economic and political impacts of these scenarios. The ultimate goal of our efforts in Oxnard is to assist City planners in their coastal adaptation related decision making. Our investment gives the City the advantage of a strong, science-based and stakeholder vetted foundation to assess the vulnerability of the City's valued assets and develop well-informed management and adaptation strategies.

The wide variety of land-uses in the area as well as the willingness of the stakeholders (i.e. the City's planning staff and decision makers) to think critically and creatively make Oxnard ideal in terms of scale, complexity, and political will, for a pilot project demonstrating best practices in vulnerability assessment. For those same reasons The Nature Conservancy strongly urges you to support Oxnard's efforts to become a model community for integrating sea level rise into its LCP, and approve this grant request. Please feel free to contact me if you have any question.

Sincerely,

Sarah Newkirk
Coastal Project Director

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 12: City of Oxnard Selected Positions and Direct Labor Costs

City of Oxnard Staffing Direct Labor	Hourly Rate (U.S. Dollars)
Principal Planner	\$105.00
Planning Manager	\$120.00
Accounting Manager	\$103.00
Administrative Services Manager	\$82.00
Assistant City Attorney	\$144.00
Communications Manager	\$82.00
Community Outreach & Production Spst	\$69.00
Disaster Preparedness Coordinator	\$98.00
Facilities Maintenance Supervisor	\$74.00
Financial Analyst II	\$93.00
Financial Services Manager	\$103.00
Geographic Info Systems Coordinator	\$92.00
Management Accountant/Auditor	\$72.00
Management Analyst III	\$88.00
Parks Manager	\$87.00
Public Information Officer	\$80.00
Special Assistant to the City Manager	\$110.00
Streets Manager	\$87.00
Supervising Building Inspector	\$95.00
Supervising Civil Engineer	\$134.00
Systems Analyst III	\$92.00
Technical Services Manager	\$100.00
Telecommunications Coordinator	\$71.00
Traffic Manager	\$106.00
Wastewater Maintenance Manager	\$80.00
Wastewater Operations Manager	\$92.00
Water Resources Manager	\$104.00

Oxnard Sea Level Rise Chapter and LCP Update Grant Application

Attachment 13: Expected Supplies and Materials, With Expected Costs

EXPECTED SUPPLIES AND ESTIMATED EXPENSE

Task Number	City of Oxnard Sea Level Rise and LCP Update	Total Cost		
			Grant	City funded
8.5	Supplies, travel, etc.	\$ 13,000	\$ 3,000	\$ 10,000

Postage

CD Reproduction	\$10 each
Newspaper Ad for meetings	\$150 per ad
Document copying (by City)	\$0.10 per page
PAC and Agency Stakeholders meeting light refreshments	\$100 per meeting
bottled water	\$10 per case
cookies	\$20 per meeting
Coffee setup	\$20 per meeting

Microphone/portable PA system	\$200 rental
Markers and pencils	\$10 per box
Spanish translation	\$200 per meeting

NOTE: All meeting are expected to take place in City facilities and no rental cost.

TOTAL ALL EXPENSES **\$10,000**

Travel to the State American Planning Association Conference, 3 days, by car

\$1,000

Travel to the National American Planning Association (or similar) Conference, 3 days, by air

\$2,000

TOTAL TRAVEL **\$3,000**